

Virginia Zarulli

CONTACT INFORMATION

Associate Professor
Interdisciplinary Centre on Population Dynamics -
Department of Business and economics,
University of Southern Denmark mobile: +41768013272
Campusvej 55, 5230 Odense, Denmark e-mail: vzarulli@sdu.dk - virginiazarulli@gmail.com

RESEARCH INTERESTS

Demography, gender differences, health, mortality, health inequalities

ACADEMIC QUALIFICATIONS

ASN Professore I fascia - Settore Concorsuale 13/D3 - Demografia e Statistica Sociale 25 January 2023 - 25 January 2033
(Italian Scientific National Abilitation for Full Professor - Scientific Sector 13/D3 - Demography and Social Statistics)
With unanimous approval of the evaluation committee (5 members out of 5).

CAREER

Maternity Leave March 2021 - March 2022

Interdisciplinary Centre on Population Dynamics
Faculty of Business and Economics, University of Southern Denmark, Odense, Denmark

Associate Professor February 2019 -

Max Planck Odense Center on the Biodemography of Aging
Institute of Public Health, University of Southern Denmark, Odense, Denmark

Assistant Professor April 2016 - January 2019

Max Planck Odense Center on the Biodemography of Aging
Institute of Public Health, University of Southern Denmark, Odense, Denmark

Post Doctoral Fellow March 2013 - March 2016

Maternity Leave June 2015 - March 2016
Maternity Leave September 2013 - May 2014

Max Planck Institute for Demographic Research, Rostock, Germany
Laboratory of Survival and Longevity

Post Doctoral Fellow August 2012 – February 2013

PUBLICATIONS

Feraldi A., **Zarulli V.**, Mazzuco S., Giudici C., “Functional Data Analysis Approach in Population Studies: An Application to the Gender Gap in Life Expectancy”. *Quality & Quantity*, forthcoming (2023)

Zazueta-Borboa J.D., Aburto J.M., Permanyer I., **Zarulli V.**, Janssen F. “Contributions of age groups and causes of death to the sex gap in lifespan variation in Europe”. *Population Studies*, DOI:10.1080/00324728.2023.2222723 (2023)

Feraldi A., **Zarulli V.** “Patterns in age and cause of death contribution to the sex gap in life expectancy: a comparison among ten countries”. *Genus* 78, 23, DOI: <https://doi.org/10.1186/s41118-022-00171-9> (2022)

Rizzi S., Strozza C., and **Zarulli V.** . “Sex-differences in excess death risk during the COVID-19 pandemic: an analysis of the first wave across Italian regions. What have we learned?”. *Genus*, 78,24, 1-7, DOI: <https://doi.org/10.1186/s41118-022-00172-8> (2022)

Bergeron-Boucher M. P., Alvarez J. A., Kashnitsky I., and **Zarulli V.**, “Probability of males to outlive females, an international comparison from 1751 to 2020”, *BMJ Open*, 0:e059964, DOI:10.1136/bmjopen-2021-059964 (2022)

Salinari G., De Santis G., **Zarulli V.**, Giuliani C., Franceschi C., and Breschi M., “Fertility decline and the emergence of excess female survival in post-reproductive ages in Italy”, *Genus*, 78,19, 1-16, DOI: <https://doi.org/10.1186/s41118-022-00166-6> (2022)

Vigezzi S., Aburto J.M., Permanyer I., and **Zarulli V.**, “Divergent trends of lifespan variation during mortality crises” *Demographic Research*, 46, 11, pages 291 - 336, DOI:10.4054/DemRes.2022.46.11 (2022)

Zarulli V., “A risk worth taking” *Science*, Vol. 372, Issue 6538, pp. 210, DOI: 10.1126/science.372.6538.210 (2021)

Zarulli V., Kashnitsky I. and Vaupel J.W., “Death rates at specific life stages mold the sex gap in life expectancy”, *Proceedings of the National Academy of Sciences*, DOI: 10.1073/pnas.2010588 (2021)

Zarulli V., Sopina E., Toffolutti V. and Lenart A., “Health care system efficiency and Life Expectancy: a 140-country study”, *PLoS ONE* 16(7): e0253450, DOI:10.1371/journal.pone.0253450 (2021)

Riffe T., Acosta E., ... and **Zarulli V.**, “A database of age-structured COVID-19 cases and deaths (COVERAGE-DB)”, *International Journal of Epidemiology*, Volume 50, Issue 2, Pages 390–390f, DOI: 10.1093/ije/dyab027 (2021)

Salinari G., de Santis G., **Zarulli V.**, Giuliani C., Franceschi C. and Breschi M., “Mortalità differenziale uomo-donna in età post-riproduttiva. Il ruolo del declino della fecondità in Italia e in Europa”, *Popolazione e Storia* 21(2), pages 33-51, DOI: 10.4424/ps2020-8 (2021)

Feraldi A., **Zarulli V.**, Giudici C. and Mazzuco S. “Analysing contributions of ages and causes of death to gender gap in life expectancy using functional data analysis”, *Proceedings of the SIS 2021, 50th Meeting of the Italian Statistical Society: Book of short papers - SIS 2021*

ISBN: 9788891927361 (2021)

Strozza C., **Zarulli V.** and Egidi V., “Understanding health deterioration and the dynamic relationship between physical ability and cognition among a cohort of Danish nonagenarians”, *Journal of Aging Research* DOI: 10.1155/2020/4704305 (2020)

Zarulli V., Lindahl-Jacobsen R., and Vaupel J.W., “Onset of the old- age gender gap in survival”, *Demographic Research*, 42, 727-740, DOI: 10.4054/DemRes.2020.42.25 (2020)

Caswell H. and **Zarulli V.**, “Matrix methods in health demography: a new approach to the stochastic analysis of healthy longevity and DALYs”, *Population Health Metrics*, 16:8. DOI: 10.1186/s12963-018-0165-5 (2018)

Zarulli V., Christensen K. and Vaupel J.W., “Reply to Delanghe et al.: Iron status is not likely to play a key role in the gender survival gap under extreme conditions”, *Proceedings of the National Academy of Sciences*, DOI: 10.1073/pnas.1801481115 (2018)

Zarulli V., Barthold J., Oksuzyan A., Lindahl-Jacobsen R., Christensen K. Vaupel J.W., “Women live longer than men even during severe famines and epidemics”, *Proceedings of the National Academy of Sciences*, 115 (4) E832-E840; DOI: 10.1073/pnas.1701535115 (2018)

Altmetric Score 1060

(in the top 5% of all research outputs ever tracked by Altmetric and in the top 1% of all research outputs of the National Academy of Sciences of the United States of America)

Colchero F., Rau R., Jones O.R., Barthold J.A., Conde D.A., Lenart A., Nemeth L., Scheuerlein A., Schoeley J., Torres C., **Zarulli V.**, Altmann J., Brockman D.K., Bronikowskik A.M., Fedigan L.M., Puseym A.E., Stoinskin T.S., Striero K.B., Baudisch A., Alberts S.C. and Vaupel J.W., “The emergence of longevous populations”, *Proceedings of the National Academy of Sciences*, 113.48, DOI: 10.1073/pnas.1612191113 (2016)

Altmetric Score 691

Lindahl-Jacobsen R., Oeppen J., Rizzi S., Möller S., **Zarulli V.**, Christensen K. and Vaupel J. W., “Why did Danish women’s life expectancy stagnate? The influence of interwar generations’ smoking behavior”. *European Journal of Epidemiology*, 1-5, DOI:10.1007/s10654-016-0198-7 (2016)

Canudas-Romo V. and **Zarulli V.**, “Am I Halfway? Life Lived= Expected Life”, In *Dynamic Demographic Analysis* (pp. 33-50). Springer International Publishing (2016)

Dunn P. H., **Zarulli V.** and Levitis D. A., “Beyond being eaten or swept away: Ontogenetic transitions drive developmental mortality in marine barnacle larvae”, *Marine Ecology-Progress Series*, DOI: 10.3354/meps11889 (2016)

Zarulli V. , “Unobserved Heterogeneity of Frailty in the Analysis of Socioeconomic Differences in Health and Mortality”, *European Journal of Population*, 32:1, 55-72, DOI: 10.1007/s10680-015-9361-1 (2016)

Zarulli V., “Post-War Migration Flows and Disparities in Mortality from Age 50 Years Onwards: the Case of Turin in Italy”, *Population, Space and Place*, DOI:10.1002/psp.1862 (2014)

Zarulli V., Marinacci C., Costa G. and Caselli G. , “Mortality by education level at late-adult

ages in Turin: a survival analysis using frailty models with period and cohort approaches”, *BMJ Open*, 3:7, DOI:10.1136/bmjopen-2013-002841 (2013)

Zarulli V., “The effect of mortality shocks on the age-pattern of adult mortality”, *Population (English Edition)*, 68:2, 265-291, DOI: 10.3917/popu.1302.0303 (2013)

Zarulli V., Jasilionis D. and Jdanov D.A., “Changes in educational differentials in old-age mortality in Finland and Sweden between 1971-1975 and 1996-2000”, *Demographic Research*, 26:19, 489-510, DOI: 10.4054/DemRes.2012.26.19 (2012)

Zarulli V., “Il secolo degli anziani: come cambierà l’Italia [The century of the elderly: how Italy will change]” (Book review), *Genus*, 67:3, 129-132 (2011)

Working papers, pre-prints

Zarulli V. and Caswell H., “Longer healthy life, but for how many? Insights on healthy lifespan inequality from the Global Burden of Disease Study.” medRxiv: DOI: 10.1101/2022.12.06.22283153 (2022)

Bergeron-Boucher M. P., Alvarez J. A., Kashnitsky I., **Zarulli V.** and Vaupel J. W., “Not all females outlive all males: A new perspective on lifespan inequalities between sexes”. SocArXiv, DOI: 10.31235/osf.io/typws (2020)

Zarulli V., “Disuguaglianze socioeconomiche di mortalità in Italia: una stima difficile” Neodemos (2013)

Zarulli V., “Mortality Shocks and the Human Rate of Aging”, MPIDR Working Paper WP-2012-019 (2012)

TEACHING EXPERIENCE AND COORDINATION

Temi e metodi di popolazione e società (lecturer) Spring 2023
Department of Statistics (MA program)
University of Padua, Padua, Italy

International Demography (lecturer) Spring 2020
Department of Social and Political Sciences (BA program)
Bocconi University, Milan, Italy

European Doctoral School of Demography - (lecturer of the module Mortality: Causes and Theories) 2019-2021
Center for Demographic Studies, Autonomous University of Barcelona, Barcelona, Spain

Population Dynamics and Economics (lecturer) Fall 2018
Department of Public Policy and Management (MA program)
Bocconi University, Milan, Italy

Demography and Economics (course coordinator and lecturer) Fall 2017 - Fall 2019
Faculty of Business and Social Sciences, Department of Business and Economics (MA program)
University of Southern Denmark, Odense, Denmark

Survival Analysis (course coordinator and lecturer) Fall 2014- Spring 2018
Institute of Public Health, Department of Epidemiology, Biostatistics and Biodemography (PhD program)

University of Southern Denmark, Odense, Denmark

Demography (lecturer)

Fall 2014

Institute of Public Health, Department of Epidemiology, Biostatistics and Biodemography
(BA program)

University of Southern Denmark, Odense, Denmark

Biostatistics I (teaching assistant)

Spring 2014

Institute of Public Health, Department of Epidemiology, Biostatistics and Biodemography
(PhD program)

University of Southern Denmark, Odense, Denmark

Applied Methods of Public Health and Mortality Research using R (course coordinator and lecturer)

February 2013

International Max Planck Research School for Demography

Max Planck Institute for Demographic Research, Rostock, Germany

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

2018-2022, PhD co-supervisor (with Prof. Cristina Giudici) of Alessandro Feraldi, PhD student in Demography at La Sapienza University of Rome.

2017-2020, PhD supervisor of Cosmo Strozza, joint PhD student in Demography and Public Health between La Sapienza University of Rome and University of Southern Denmark.

Supervision of PhD Students during the European Doctoral School of Demography: Cohort 2017-2018 (Hanbo Wu, Cosmo Strozza), Cohort 2018-2019 (Alessandro Feraldi, Francesco Liedl), Cohort 2019-2020 (Daniel Zazueta Borboa)

Statistical consultation to the PhD students of the Medical School of the faculty of Health Sciences at the University of Southern Denmark from 2013 to 2016: T30 minutes sessions for the students to present their problems on specific research questions and receive advice on methods, data handling, research design and interpretation of the results.

INSTITUTIONAL RESPONSIBILITIES

European Doctoral School of Demography - EDSD (Dean of the school, course and curriculum coordinator, lecturer) Academic years 2017-2018, 2018-2019

European Doctoral School of Demography - EDSD (member of the admission committee) 2017-2020

European Doctoral School of Demography - EDSD (member of the Scientific Board) 2018 -

GRANTS

Danish Ministry of Higher Education and Science: Life length and life disparity research network, 2020 (PI)

European Association for Population Studies (EAPS): EDSD Support Grant, 2018-2019 (PI)

Duke University: International Biodemography Network meeting travel grant, 2011

HONOURS AND AWARDS

2022 PAA Poster Award, awarded by the Population Association of America (“Adult Children’s Education and Physical and Cognitive Health Trajectories of Older Parents in Denmark”)

2016 Cozzarelli Prize - PNAS, awarded by the National Academy of Sciences of the United States for best paper published in Behavioral and Social Sciences (“The emergence of longevous populations”, *Proceedings of the National Academy of Sciences*, 113.48 (2016))

EXTERNAL AFFILIATIONS

Dondena Centre for Research on Social Dynamics and Public Policy, Bocconi University, Milan
- Non-resident research fellow at Population Dynamics and Health Unit 2019 -

Department of Statistic, Sapienza University of Rome, Italy - International Member of the Board of the PhD School of Demography 2023 -

VISITINGS

Visiting Professor, Department of Social and Political Sciences, Bocconi University (Milano, Italy) November 2018 and April 2020

Visiting Professor, Department of Economics, University of Sassari (Sassari, Italy) October 2020

MEDIA CONTRIBUTIONS

My research has been reported by numerous media outlets such as (selected) *the Guardian* (2018), *BBC* (2018), *the Telegraph* (2018), *Nature Highlights* (2018), *El Pais* (2018) and *Population Europe* (2020). I have been interviewed by various newspapers such as (selected) *The New York Times* (2020), *Live Science* (2021), *The Times* (2018), *Repubblica* (2018), *La Nazione* (2018), *Slate* (2018), *La Presse* (2018), *De Standaard* (2019) and made it to a full front page of *Politiken* (2018), one of the major national Danish newspapers.

RESEARCH COORDINATION

Research Package coordinator June 2020 - March 2021
Excess deaths and life-years lost due to the Covid-19 pandemic in Denmark: The role of individual characteristics (within the CPop research grant Excess Death and Covid 19 in Denmark).

CONSULTANCIES

Consultant January 2022 - June 2023
Gates Gender Data Grant (partnership between African Population and Health Research Center, International Center for Research on Women, Bill and Melinda Gates Foundation and Global Health 50/50). As a consultato and coordinator of Work Stream 2 of the project, my role was to develop a protocol for data collection and a conceptual framework to illustrate how sex/gender affects selected health outcomes using a pathway approach.

PEER REVIEW ACTIVITY (SELECTED)

Editor for peer reviewed journals

Guest editor for Genus, Thematic Series on Gender Differences in Survival Across the Ages of Life (<https://genus.springeropen.com/gender-differences>) (2021-2022)

Peer reviewer for grant agencies

European Research Council (2020), Israel Science Foundation (2017), Riksbankens Jubileumsfond (2017)

Peer reviewer for international journals

Nature Scientific Reports, Demography, Population Health Metrics, Economics and Human Biology, Social Science and Medicine, European Journal of Population, European Journal of Aging, Demographic Research, Journal of Epidemiology and Community Health, Canadian Journal of Aging, Asian Population Studies, Theoretical Biology and Medical Modelling, European Journal of Public Health, Journal of Statistical Software, Journal of Population Aging, Genus, PlosOne, Journal of Population Research.

INVITED LECTURES AND CONTRIBUTIONS (SELECTED)

Onset of old-age gender gap in survival: what do we know so far?

Climbing Mortality Models Workshop (Organized jointly by Padua University and Bocconi University).

Misurina (BL), Italy

30 August – 2 September 2022

Healthy longevity inequality: first insights from the Global Burden of Disease.

New data for the new challenges of population and society

University of Padova (online conference)

22 – 24 September 2021

Onset of old-age gender gap in survival.

Dondena Seminar Series, Dondena Center, Bocconi University, Milan, Italy and

Department of Statistical Sciences, University of Padua, Italy

February 2019

The Sustainability of Housing and Health Policies in Europe: The Short-term Impact of Austerity, The Long-term Impact of Demographic Change.

Free University of Brussels, Brussels, Belgium

October 2017

Male vs. female life expectancy in the past.

Max Planck International Research Network on Aging Annual Conference

MPIDR, Rostock, Germany

May 2017

Frailty Models in the Analysis of Socioeconomic Differences in Mortality. Application to mortality by education level in Turin.

Public health research unit of the Piedmont Region, Italy

July 2012

Frailty Models in the Analysis of Socioeconomic Differences in Mortality.

Faculty of Public Health, University of Southern Denmark, Odense, Denmark

May 2012

Frailty models in survival analysis: methodology and applications.

Public health research unit of the Piedmont Region, Italy

July 2011

A bouquet of natural mortality experiments.

1st International Biodemography Network Meeting
Duke University, Durham, NC, USA

May 2011

CONFERENCE ORGANIZATION

Network on Lifespan inequality research workshop

University of Southern Denmark, Odense (Denmark)

4-6 July 2022

Organizer

Webinar: New Perspectives on Lifespan Inequality

University of Southern Denmark, University of Tel Aviv and
University of Oxford

21 January 2021

Co-organizer.

European Population Conference 2020

Padua, Italy

24 - 27 June 2020

Convener for the theme “Mortality and Longevity”. Conference canceled due to Covid-19. I then organized the online EPC 2020 webinar on Mortality and Longevity (24 June 2020).

Workshop and Seminar: Inequalities in health, longevity and aging

Tel Aviv University, Tel Aviv, Israel

5-8 May 2020

Co-organizer. Canceled due to Covid-19.

Family Dynamics and Survival Patterns Workshop

Dondena Research Center, Bocconi University, Milano, Italy

23 January 2019

Co-organizer.

European Population Conference 2018

Brussels, Belgium

6 – 9 June 2018

Chair and discussant of the sessions:

“Methods in Health and Mortality” and “The first World War and Population Dynamics”.

CONFERENCE PARTICIPATION

Population Association of America 2023

New Orleans, Louisiana, USA

12 – 15 April 2023

Vigezzi, S., and **Zarulli, V.**, “The Sex Gaps of Life Expectancy and Lifespan Variation in Europe” (poster)

Giornate di studio sulla popolazione 2023 [Population study days 2023]

Rome, Italy

1 – 3 February 2023

Feraldi A., **Zarulli V.**, Mazzucco S. and Giudici C., “Functional data analysis approach in population studies: an application on the gender gap in life expectancy”

Rizzi S., Strozza C. and **Zarulli V.**, “Sex differences in excess death risk during the COVID-19 pandemic: an analysis of the first wave across Italian regions. What have we learned?” (poster)

European Population Conference 2022

Groningen, The Netherlands

June 29 – July 2 2022

Ferlaldi, A., **Zarulli, V.**, Mazzuco, S. and Giudici, C. “Functional Data Analysis Approach in Population Studies: An Application to the Gender Gap in Life Expectancy”

Population Association of America 2022

Atlanta, Georgia, USA

6 – 9 April 2022

Ferlaldi, A., **Zarulli, V.**, Mazzuco, S. and Giudici, C. “Functional Data Analysis Approach in Population Studies: An Application to the Gender Gap in Life Expectancy”

Canudas Romo, V., Su, W., **Zarulli, V.** and Mazzuco, S. “Sex Gap in Cohort Survival: The Contribution of Breast Cancer”

Strozza, C. and **Zarulli, V.**, “Adult Children’s Education and Physical and Cognitive Health Trajectories of Older Parents in Denmark” (poster) **Winner of the PAA 2022 Poster Award**

Italian Statistical Society Conference 2021

Pisa , Italy

21 – 25 June 2021

Ferlaldi, A., **Zarulli, V.**, Mazzuco, S. and Giudici, C., “Analysing contributions of ages and causes of death to gender gap in life expectancy using functional data analysis.”

Population Association of America 2021

Online

5 – 8 May 2021

Vigezzi, S., Aburto, J.M., Permanyer, I. and **Zarulli, V.**, “Implications of Mortality Crises in Lifespan Variation”

Strozza, C. and **Zarulli, V.**, “Adult children’s education and their parents’ physical and cognitive health trajectories” (poster)

European Population Conference 2020

Padua, Italy

June 2020

Zarulli, V., and Caswell, H., “Healthy longevity variability: first insights from the Global Burden of Disease” . (Canceled due to Covid-19)

Population Association of America 2020

Washington DC, USA

April 2020

Zarulli, V., and Caswell, H., “Healthy longevity variability: first insights from the Global Burden of Disease” . (Canceled due to Covid-19)

5th Human Mortality Database Symposium

Berlin, Germany

13 – 14 May 2019

Aburto, JM., Kashyap, R., Van Raalte, A. and **Zarulli, V.**, “Sex differences in life expectancy and lifespan dispersion: long-term patterns and emerging crossovers”

Population Association of America 2019

Austin, TX, USA

10 – 13 April 2019

Zarulli, V., Vaupel, J.W. and Lindahl-Jacobsen, R. “Foolish Young Males and Women’s Survival Superiority ”

Strozza, C. and **Zarulli, V.**, “Determinants of Physical and Cognitive Health Transitions Among Danish Nonagenarians” (poster)

European Population Conference 2018

Brussels, Belgium

6 – 9 June 2018

Caswell H., **Zarulli V.**, “Matrix methods in health demography: a new approach to the stochastic analysis of healthy longevity” .

Chair and discussant of the sessions:

“Methods in Health and Mortality”

“The first World War and Population Dynamics”

International Population Conference 2017

Cape Town, South Africa

29 October – 3 November 2017

Zarulli, V., Barthold, J., Oksuzyan, A., Lindahl-Jacobsen, R., Christensen, K., Vaupel, J.W., “Women survive severe famines and epidemics better than men”

Zarulli, V., Oksuzyan, A., Jeune, B., Christensen, K., Oeppen, J., Vaupel, J.W., . Lindahl-Jacobsen, R., “Women outlive men more as they become old”

Population Association of America 2017

Chicago, IL, USA

27 – 29 April 2017

Zarulli, V., Barthold, J., Oksuzyan, A., Lindahl-Jacobsen, R., Christensen, K., Vaupel, J.W., “Women survive severe famines and epidemics better than men”

Zarulli, V., Oksuzyan, A., Jeune, B., Christensen, K., Oeppen, J., Vaupel, J.W., . Lindahl-Jacobsen, R., “Women outlive men more as they become old”

Population Association of America 2015

San Diego, CA, USA

30 April – 2 May 2015

Canudas-Romo, V., and **Zarulli, V.**, “Am I Halfway? Life Lived = Expected Life ”

European Health, Morbidity and Mortality Working Group workshop: The continuing importance of inequality in health and mortality analyses

London School of Economics, London (UK)

15 – 17 September 2014

Zarulli, V. and Caselli, G., “Frailty models in the analysis of educational mortality”

European Population Conference 2014

Budapest, Hungary

25 – 28 June 2014

Zarulli, V. “Post-war migration flows and disparities in mortality from age 50 on: the case of Turin in Italy” (poster)

Lenart, A. and **Zarulli, V.** “A comparison of the efficiency of health systems in providing life expectancy” (poster)

Italian Statistical Society Conference 2013: Advances in Latent Variables - Methods, Models and Applications

Brescia , Italy

19 – 21 June 2013

Zarulli, V., Marinacci, C., Costa, G. and Caselli, G., “Mortality by education level at late-adult ages in Turin: a survival analysis using frailty models with period and cohort approaches.”

Giornate di studio sulla popolazione 2013 [Population study days 2013]

Bressanone/Brixen , Italy

6 – 8 February 2013

Zarulli, V. and Caselli, G., “Frailty models in the analysis of mortality by education at late-adult ages in Turin”

European Population Conference 2012

Stockholm, Sweden

13 – 16 June 2012

Zarulli, V., Marinacci, C. and Caselli, G. “Applying Frailty Models to Analyze Educational Differences in Mortality in Turin” (poster)

Population Association of America 2012

San Francisco, CA, USA

3 – 5 May 2012

Zarulli, V., “Mortality shocks and the human rate of aging” (poster)

XXXV Conference of the Italian Epidemiology Association (AIE)

Turin, Italy

7 – 9 November 2011

Zarulli, V. and Marinacci, C. “Il ruolo dell’eterogeneità non osservata nelle stime di mortalità differenziale [The role of unobserved heterogeneity in estimating differential mortality]”

IUSSP workshop on the b hypothesis and the modal age at death

Rostock, Germany

24 – 25 October 2011

Zarulli, V., “Mortality shocks and the human rate of aging”

YouPop - Meeting of young population researchers

Florence, Italy

22 – 23 September 2011

Zarulli, V. and Marinacci, C., “Applying frailty models to analyze educational differences in mortality in Turin”

Population Association of America 2011

Washington DC, USA

31 March – 2 April 2011

Zarulli, V., Jasilionis, D. and Jdanov, D.A., “Change in age-cause structure of educational differences in life expectancy at old ages in Sweden and Finland” (poster)

VIII Giornate di studio sulla popolazione [VIII Population study days]

Milan, Italy

2 – 4 February 2009

Zarulli, V. and Salinari, G.B., “Income dynamics in Italy: the role of demographic variables”

ACADEMIC SOCIAL ACTIVITY

I am founder and member of the Steering Committee of the Network of Parents in Population Studies, sponsored by the European Association for Population Studies (EAPS). The network has been officially launched at the European Population Conference in June 2022. Its aim is creating a channel for knowledge transfer, give and receive advice on how to manage family and academic career, to help coping with the specific challenges and difficulties parents working in academia face.

EDUCATION

La Sapienza University, Rome, Italy

Department of Statistics

Max Planck Institute for Demographic Research, Rostock, Germany

Laboratory of Survival and Longevity

PhD in Demography

November 2008 – July 2012

- Dissertation: Frailty Models in the Analysis of Socioeconomic Differences in Mortality: Application to mortality by education level in Turin.
- Advisors: Prof. Graziella Caselli and Dr. Jutta Gampe

International Max Planck Research School for Demography, Rostock, Germany

- Frailty models **2010**
- Multilevel and multiprocess event history analysis **2009**
- Demographic methods of public health research **2009**

European Doctoral School of Demography, Paris, France and Rostock, Germany **2008 – 2009**

Max Planck Institute for Demographic Research, Rostock, Germany

Institut national d'études démographiques, Paris, France

University of Florence, Italy

Faculty of Political Sciences

Master degree in Political Science (major in Regional Development; Dissertation in Economic Demography: The evolution of Income distribution in Italy and in its regions) **2005 – 2007**

Bachelor in Political Science **2002 – 2005**

OTHER EXPERIENCES AND QUALIFICATIONS

Introduction to Big Data, UC San Diego, California, USA

on-line course

2017

Introductory course to Data Science and Big Data concepts, tools, terminology and core concepts behind big data problems, applications, and systems. Introduction and basic usage of Hadoop. Grade achieved: 95.6 %.

National Institute of Statistics, Rome, Italy

Internship

2007 – 2008

Analysis of income inequality and poverty definitions and measures, with particular attention to available data sources and surveys in Italy, in order to develop a user-friendly web tool for an easy consultation.

COMPUTER SKILLS

R, L^AT_EX, Microsoft Office (advanced); Stata(intermediate); MATLAB (beginner)

LANGUAGES

Italian (mother tongue), English (advanced), French (intermediate), Danish (beginner)